

JPW



TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/674,241	
	Filing Date	09/29/2003	
	First Named Inventor	Horace P. Yuen	
	Art Unit	2131	
	Examiner Name	Not assigned	
Total Number of Pages in This Submission		Attorney Docket Number	6407

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm	Reinhart Boerner Van Deuren s.c.		
Signature			
Printed Name	Leonard J. Kalinowski		
Date	May 1, 2006	Reg. No.	24,207

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Typed or printed name	Leonard J. Kalinowski	Date	May 1, 2006

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Reinhart Boerner Van Deuren s.c.

PATENT APPLICATION

By: Leonard J. Kalinowski
Leonard J. Kalinowski

Date: May 1, 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

GROUP ART UNIT: 2131

EXAMINER: Not assigned

In re application of: Horace P. Yuen)
et al.)

Application No: 10/674,241)

Filed: September 29, 2003)

Attorney Docket No. 6407)

Customer No. 22922)

For: ULTRA-SECURE, ULTRA-
EFFICIENT CRYPTOGRAPHIC
SYSTEM

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

May 1, 2006

**TRANSMITTAL OF SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENT WITHIN THREE MONTHS OF FILING OR BEFORE MAILING
OF FIRST OFFICE ACTION (37 CFR 1.97(b))**

NOTE: "An information disclosure statement shall be considered by the Office if filed: (1) within three months of the filing date of a national application; (2) within three months of the date of entry of the national stage as set forth in § 1.491 in an international application; or (3) before the mailing date of a first Office action on the merits, whichever event occurs last." 37 CFR 1.97(b).

NOTE: The "filing date of a national application" under 37 CFR 1.97(b) has two possible meanings. Where the filing is a direct one to the United States Patent & Trademark Office, the filing is defined in 37 CFR 1.53(b) as "the date on which: (1) A specification containing a description pursuant to § 1.71 and at least one claim pursuant to § 1.75; and (2) any drawing required by § 1.81(a), are filed in the Patent and Trademark Office in the name of the actual inventor or inventors as required by § 1.41." 37 CFR 1.97(b)(1). On the other hand, an international application that enters the national stage occurs when the applicant has filed the documents and fees required by 35 U.S.C. § 371(c) within the periods set forth in § 1.494 or § 1.495. 35 U.S.C. § 371(c) requires the filing of the following: (1) the national fee; (2) a copy of the international application, unless already sent by the International Bureau, and an

English translation if filed in another language; (3) amendments under PCT Article 19, with a translation into English if made in another language; (4) an oath or declaration; and (5) a translation into English of any annexes to the International preliminary examination report, if such annexes were made in another language. 37 CFR 1.97(b)(2).

IDENTIFICATION OF TIME OF FILING THE ACCOMPANYING SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

The information disclosure statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. 37 CFR 1.97(b).

NOTE: "No certification or fee is due when the filing is made within the above time period. It is advisable to ensure that no Office action has been mailed if the disclosure statement is delayed until after three months from filing.

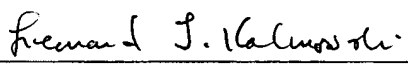
NOTE: "An information disclosure statement will be considered to have been filed on the day it was received in the Office, or on an earlier date of a mailing if accompanied by a properly executed certificate of mailing under 37 CFR 1.8, or Express Mail certificate under 37 CFR 1.10. An Office action is mailed on the date indicated in the Office action." Notice of April 20, 1992 (1138 O.G. 37-41, 39).

NOTE: "The term 'national application' includes continuing applications (continuations, divisions, continuations-in-part) so three months will be measured from the actual filing date of an application as opposed [sic] to the effective date of a continuing application." Notice of April 20, 1992 (1138 O.G. 37-41, 39).

NOTE: "An action on the merits means an action which treats the patentability of the claims in an application, as opposed to only formal or procedural requirements. An action on the merits would, for example, contain a rejection or indication of allowability of a claim or claims rather than just a restriction requirement (37 CFR 1.142) or just a requirement for additional fees to have a claim considered (37 CFR 1.16(d)). Thus, if an application was filed on Jan. 1 and the first Office action on the merits was not mailed until six months later on July 1, the examiner would be required to consider any proper information disclosure statement filed prior to July 1." Notice of April 20, 1992 (1138 O.G. 37-41, 39).

WARNING: "A petition for suspension of action to allow applicant time to submit an information disclosure statement will be denied as failing to present good and sufficient reasons, since 37 CFR 1.97 provides adequate recourse for the timely submission of prior art for consideration by the examiner." Notice of July 6, 1992 (1141 O.G. 63).

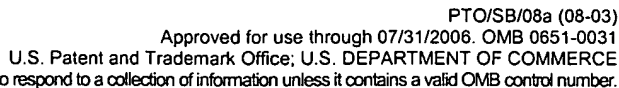
Dated: May 1, 2006
Reg. No. 24,207
Tel. No.: (414) 298-8359



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CUSTOMER NO. 22922



Complete if Known

Application Number	10/674,241
Filing Date	09/29/03
First Named Inventor	Horace P. Yuen
Art Unit	2131
Examiner Name	Not assigned
Attorney Docket Number	6407

(Use as many sheets as necessary)

Sheet	1	Of	2
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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Complete if Known		
	Application Number	10/674,241	
	Filing Date	09/29/2003	
	First Named Inventor	Horace P. Yuen	
	Group Art Unit	2131	
(use as many sheets as necessary)		Examiner Name	Not assigned
Sheet 2 of 2	Attorney Docket Number	6407	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	GISIN, N., RIBORDY, G., TITTEL, W., ZBINDEN, H. "Quantum Cryptography," Reviews of Modern Physics, Vol. 74, pp. 145-195, 2002.	
	2	BARBOSA, G., CORNDORF, E., KUMAR, P., YUEN, H. "Secure Communication Using Mesoscopic Coherent States," Physics Review Letters, Vol. 90, 2003.	
	3	CORNDORF, E., BARBOSA, G., LIANG, C., YUEN, H., KUMAR, P. "High-Speed Data Encryption Over 25km of Fiber by Two-Mode; Coherent-State Quantum Cryptography," Optics Letters, Vol. 28, pp. 2040, 2003.	
	4	CORNDORF, E., KANTER, G.S., LIANG, C., KUMAR, P. "Quantum-Noise Protected Data Ecryption for WDM Networks," Presented at the Conference on Lasers and Electro-Optics (CLEO '2004), San Francisco, CA, May 16-21, 2004; paper CPDDS.	
	5	CORNDORF, E., LIANG, C., KANTER, G.S., KUMAR, P., YUEN, H.P. "Quantum-Noise-Protected Data Encryption for WDM Fiber-Optic Networks," ACM Computer Communication Review: Special Section on Impact of Quantum Technologies on Networks and Networking Research, Vol. 28, October 2004.	
	6	YUEN, H. "KCQ: A New Approach to Quantum Cryptography I. General Principles and Qubit Key Generation," Quant-ph/0311061, 2003.	
	7	CORNDORF, E., KUMAR, P., LIANG, C., BARBOSA, G., YUEN, H.P. "Efficient Quantum Cryptography with Coherent-State Light in Optical Fibers at Gbps Rates," in Proceedings of the SPIE Annual Conference, San Diego, CA, August 2003.	
	8	ZIERLER, N., BRILLHART, J. "On Primitive Trinomials (mod 2)," Journal of Information and Control, Vol. 15, pp. 541-544, 1968.	

Examiner Signature		Date Considered	
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¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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